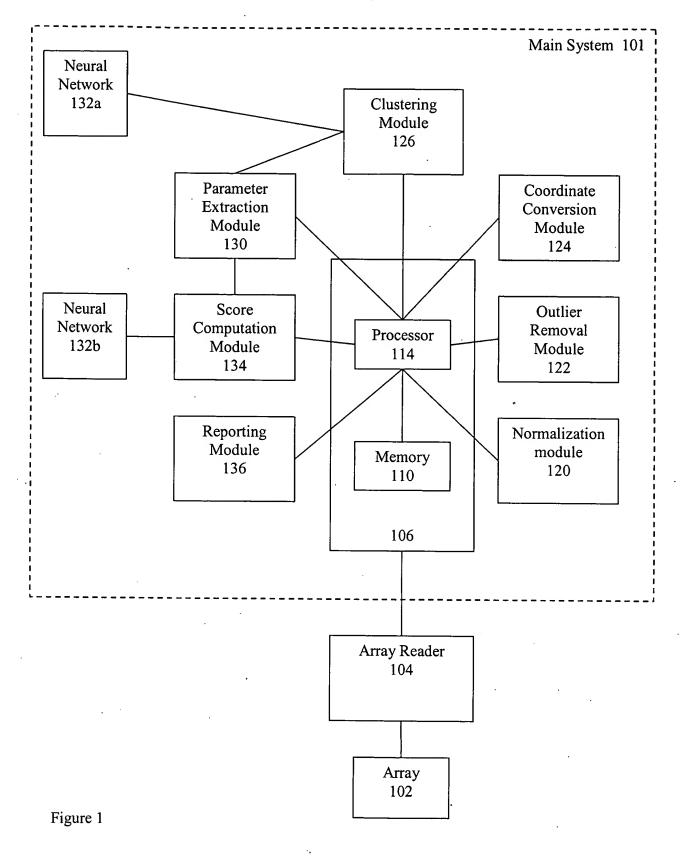
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Process Overview 200

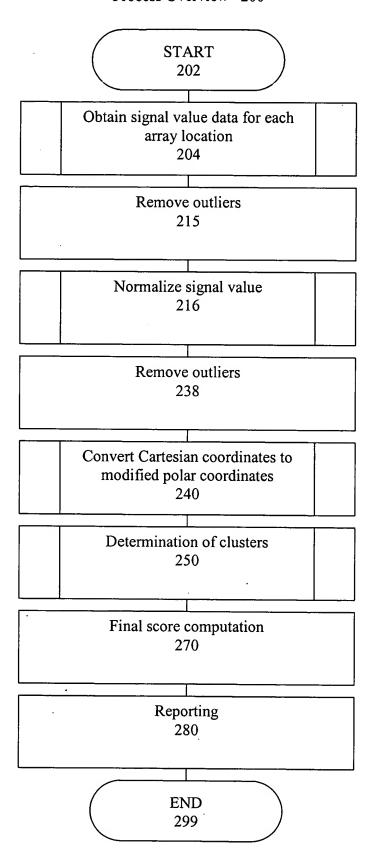
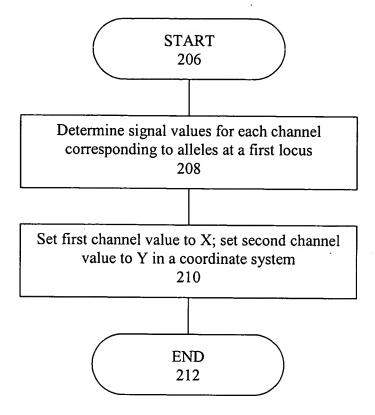


Figure 2

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Data Acquisition 204



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Normalization 216

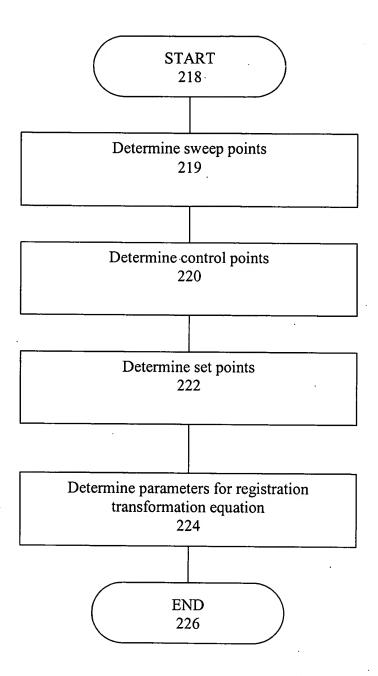
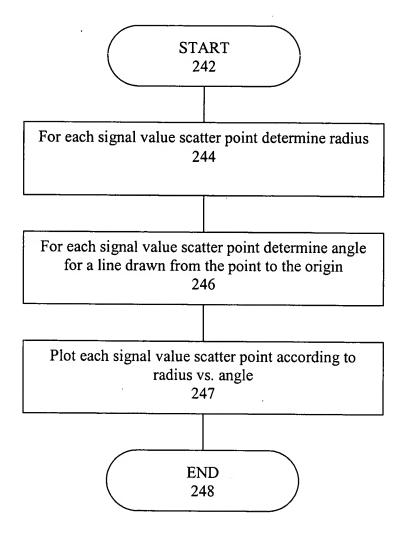


Figure 4

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Conversion of Cartesian coordinates to polar coordinates 240



Title: ARTIFICIAL INTELLIGENCE AND GLOBAL NORMALIZATION METHODS FOR GENOTYPING Inventor: Bahram G. Kermani Our Docket No. 01-00011 Sheet 6 of 10

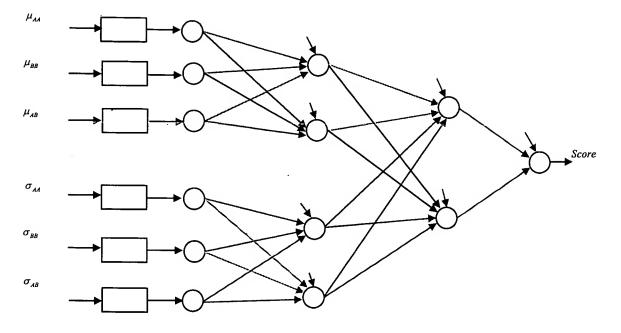


Figure 6

Title: ARTIFICIAL INTELLIGENCE AND GLOBAL NORMALIZATION METHODS FOR GENOTYPING
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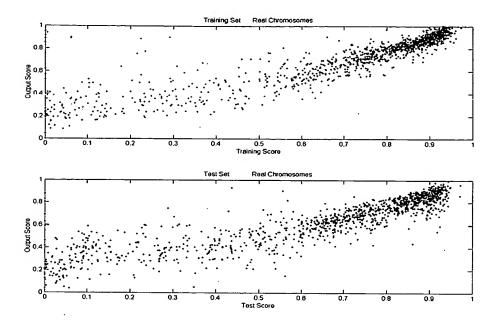
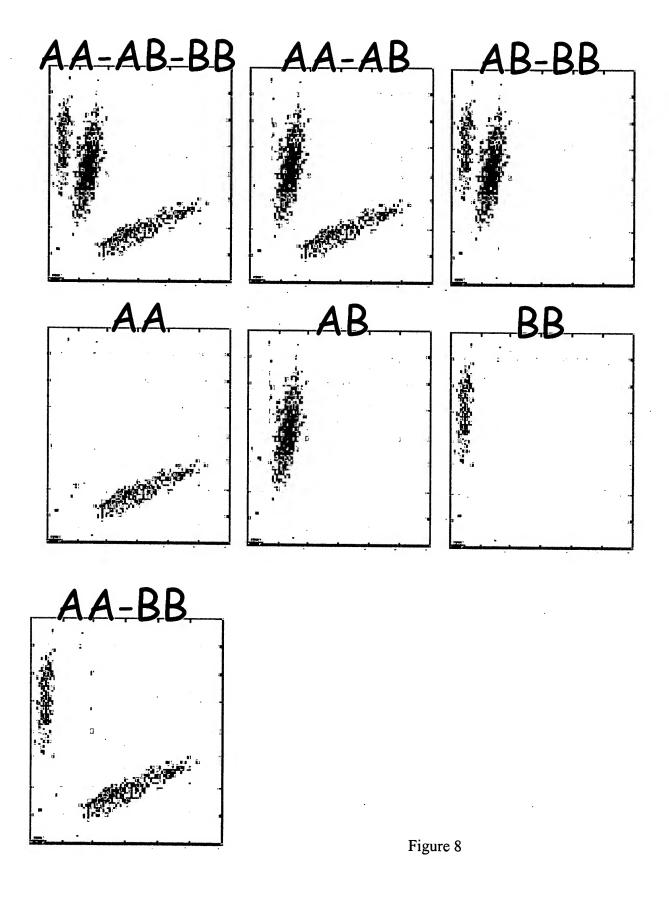


Figure 7

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Clustering 250

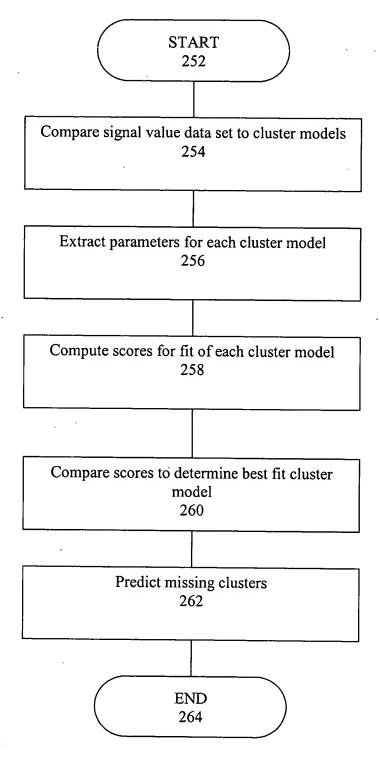


Figure 9

